



# City of Durham

## Durham Convention Center - Pre-function Corridor Doors

### Durham, North Carolina



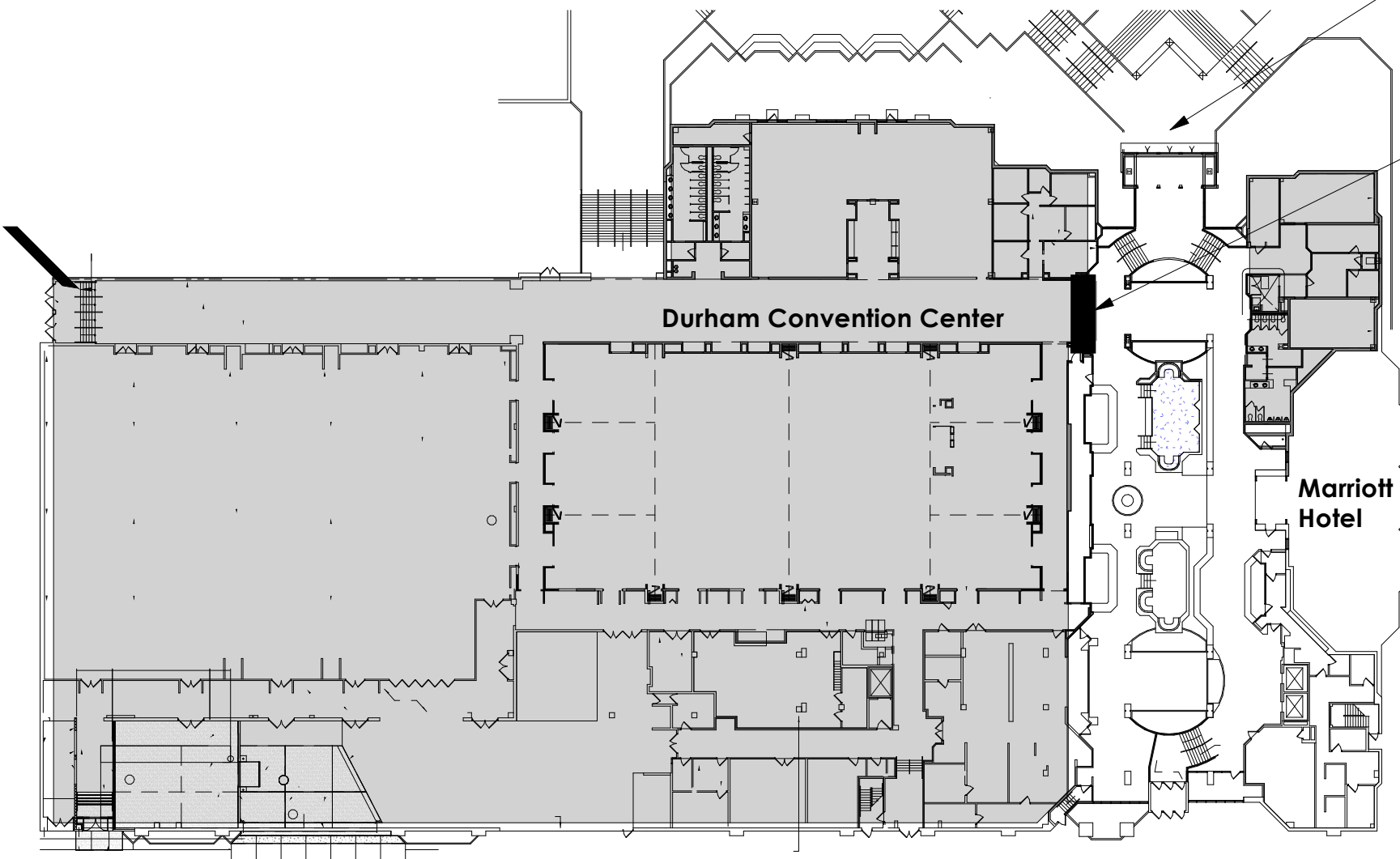
Architect:  
**Roughton Nickelson De Luca Architects, PA**  
Durham, North Carolina

Owner:  
**City of Durham**  
Durham, North Carolina

PM&E Engineer:  
**Edmondson Engineers, PA**  
Durham, North Carolina

Structural Engineer:  
**Gardner & McDaniel, PA**  
Durham, North Carolina

**301 West Morgan Street Entrance**  
**Pre-Function Corridor Project Area**



## CONSTRUCTION DRAWINGS

DRAWING SHEET LIST	
G 101	Cover Sheet
G 102	Building Code Summary
G 103	Life Safety Plan
A 201	Alteration Plans
A 202	Structural Details
A 203	Glass Details
E 204	Electrical

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Pre-Function  
Doors

Durham Convention Center  
301 W. Morgan Street  
Durham, NC

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CHECKED: C.J.N.  
DATE: 3/26/13

Cover Sheet

# G 101



2012 APPENDIX B
BUILDING CODE SUMMARY - FOR ALL COMMERCIAL PROJECTS
(Name of Project, City of Durham - Durham Convention Center - Pre-Function Doors Alteration)
(2012 Edition of NC Code for Existing, Constructed, Renovated, and Proposed Use(s))
(Lead Design Professional: Charles Nickelson, AIA LEED AP - Principal RND Architects, PA)
(2012 Edition of NC Code for Existing, Constructed, Renovated, and Proposed Use(s))
(Basic Building Data: Construction Type, Sprinklers, Standpipes, Fire District, Building Height, Gross Building Area)

2012 NC Administrative Code and Policies

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #: A103
Fire and/or smoke rated wall locations (Chapter 7) NO CHANGE
Assumed and real property line locations NO CHANGE
Exterior wall opening area with respect to distance to assumed property lines (705.8) NO CHANGE
Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1) NO CHANGE
Occupant loads for each area NO CHANGE
Exit access travel distances (1016) NO CHANGE
Common path of travel distances (1014.3 & 1028.8) SEE LIFE SAFETY PLAN
Dead end lengths (1018.4) N/A
Clear exit widths for each exit door NO CHANGE
Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1) NO CHANGE
Actual occupant load for each exit door NO CHANGE
A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation N/A
Location of doors with panic hardware (1008.1.10) N/A - NONE PROPOSED ALL EXISTING
Location of doors with delayed egress locks and the amount of delay (1008.1.9.7) N/A
Location of doors with electromagnetic egress locks (1008.1.9.8) N/A
Location of doors equipped with hold-open devices N/A
Location of emergency escape windows (1029) N/A
The square footage of each fire area (902) N/A
The square footage of each smoke compartment (407.4) N/A
Note any code exceptions or table notes that may have been utilized regarding the items above N/A

ACCESSIBLE DWELLING UNITS (SECTION 1107)
ACCESSIBLE PARKING (SECTION 1106) - N/A

2012 NC Administrative Code and Policies

ALLOWABLE AREA
Occupancy:
Accessory Occupancies: (Durham Convention - Ball Rooms Assembly / Hotel=Residential)
Incidental Uses (Table 508.2.5): N/A
Special Uses: N/A
Special Provisions: N/A

2012 NC Administrative Code and Policies

STRUCTURAL DESIGN
DESIGN LOADS:
Importance Factors:
Live Loads:
Ground Snow Load:
Wind Load:
SEISMIC DESIGN CATEGORY:
LATERAL DESIGN CONTROL:
SOIL BEARING CAPACITIES:
SPECIAL INSPECTIONS REQUIRED:
PLUMBING FIXTURE REQUIREMENTS\*\*
SPECIAL APPROVALS

2012 NC Administrative Code and Policies

Mixed Occupancy: N/A
FIRE PROTECTION REQUIREMENTS
ALLOWABLE HEIGHT
LIFE SAFETY SYSTEM REQUIREMENTS

2012 NC Administrative Code and Policies

ENERGY REQUIREMENTS:
ENERGY SUMMARY
THERMAL ENVELOPE
MECHANICAL SUMMARY
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
ELECTRICAL SUMMARY

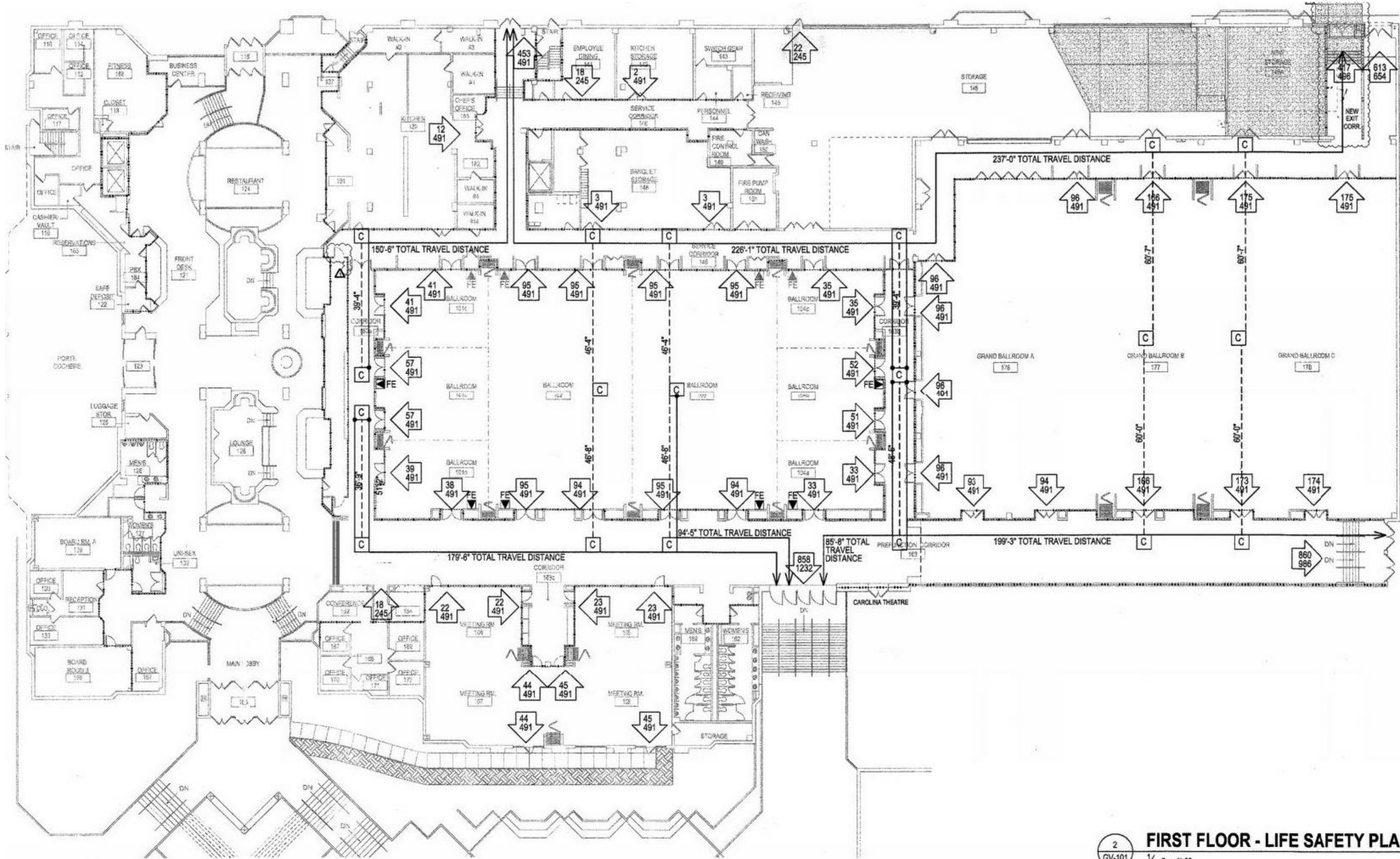
2012 NC Administrative Code and Policies

FIRE PROTECTION REQUIREMENTS
LIFE SAFETY SYSTEM REQUIREMENTS
MECHANICAL SUMMARY
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
ELECTRICAL SUMMARY

2012 NC Administrative Code and Policies

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CHARLES JOHN NICKELSON
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301 W. Morgan Street
Durham, NC
Pre-Function Doors
REVISIONS
JOB NUMBER: 1204
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DATE: 3/26/13
Building Code Summary
G 102

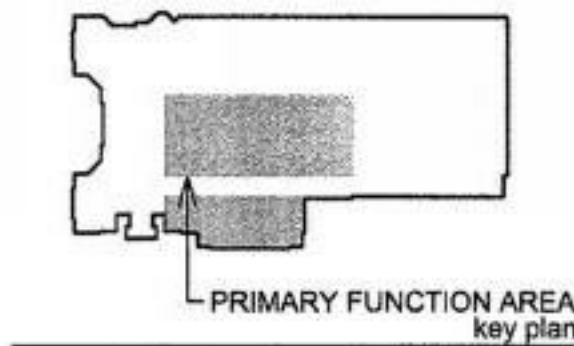




2 FIRST FLOOR - LIFE SAFETY PLAN  
GV-101 1/8" = 1'-0"

### GENERAL LIFE SAFETY NOTES

1. THE BUILDING IS FULLY SPRINKLERED ALLOWING A 300' TRAVEL DISTANCE FOR BUSINESS OCCUPANCY AND 250' TRAVEL DISTANCE FOR STORAGE (S-1) AND ASSEMBLY (A-3) PER TABLE 1010.1 IN NC 2009 BUILDING CODE.
2. OCCUPANCY IS ASSEMBLY UNLESS OTHERWISE NOTED.
3. THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 75' IN BUSINESS OCCUPANCY PER SECTION 1014.3 IN NC 2009 BUILDING CODE.
4. I.F. ALL EXISTING FEC LOCATIONS: ALL FEC SHALL BE LOCATED AND MOUNTED IN ACCORDANCE PER NFPA 101 AND LOCAL FIRE CODE OFFICIALS REQUIREMENTS. DISTANCE BETWEEN FEC SHALL NOT EXCEED 75 FEET.
5. G.C. TO PROVIDE AND INSTALL ALL BLOCKING IN WALL AS REQUIRED FOR MOUNTING FIRE EXTINGUISHERS.
6. G.C. TO COORDINATE INSTALLATION REQUIREMENTS OF EXIT SIGNS, ALL ASSOCIATED HARDWARE, JUNCTION BOXES AND WIRING, AND REQUIRED EXIT DEVICES WITH ELECTRICAL DRAWINGS AND LOCAL INSPECTOR.
7. THE PRIMARY FUNCTION AREAS AS DEFINED IN THE 2009 NORTH CAROLINA REHAB CODE WITHIN THE OVERALL SCOPE OF WORK OF THESE DOCUMENTS ARE DEFINED WITHIN BALLROOMS 101A-C, 102, 103, AND 104A-C. FIRE EXTINGUISHER LOCATIONS SHOWN ARE INTENDED FOR THESE PRIMARY FUNCTION AREAS ONLY.
8. SEE ELECTRICAL SHEETS FOR EXIT LIGHTING LOCATIONS.



### LEGEND

- C - - - - C COMMON PATH OF EGRESS TRAVEL
- ← 0'-0" → TRAVEL DISTANCE
- XX XX ACTUAL NUMBER OF PEOPLE EXITING  
MAX. CAPACITY OF PEOPLE EXITING
- FE ▲ EXISTING FIRE EXTINGUISHER LOCATIONS  
(SEE NOTE #7)
- FE ▲ NEW FIRE EXTINGUISHER LOCATIONS  
FIRE EXTINGUISHERS SHALL BE MIN. 10LB 4A:20B:C (MULTI-PURPOSE)  
(SEE NOTE #7.)
- EXISTING 1-HR RATED CONSTRUCTION TO REMAIN
- EXISTING 2-HR RATED CONSTRUCTION TO REMAIN
- EXISTING 3-HR RATED CONSTRUCTION TO REMAIN
- NEW 1-HR RATED CONSTRUCTION (SEE AF-101 FOR ADDITIONAL INFO.)

### Pre-Function Doors

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### Life Safety Plan

G 103



## Pre-Function Doors

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### Alteration Plans

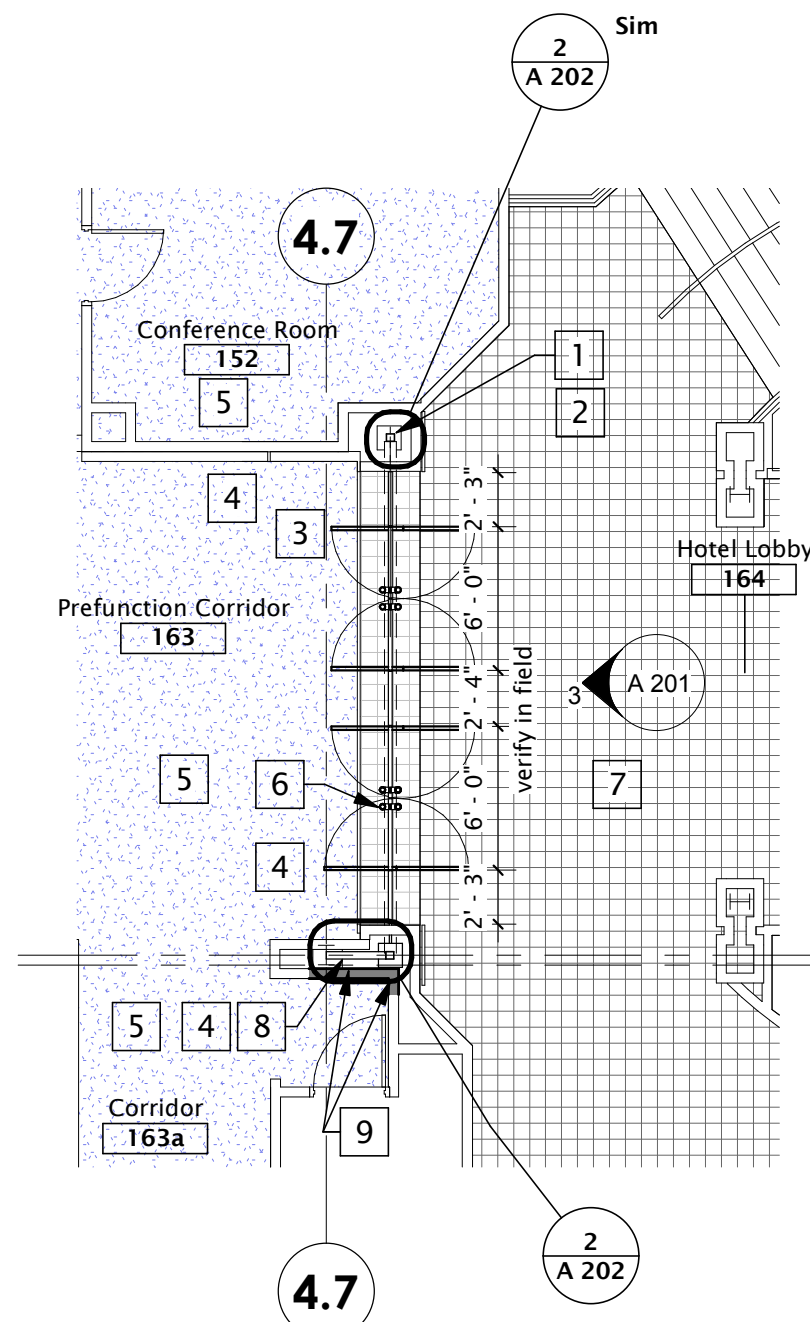
# A 201

## LEGEND

Rated Wall - 1 Hour	----
Existing Partition	=====
Steel Stud Partition	=====
CMU Infill/partition	XXXXXX
Note Keyed to Plan	
Section Mark	Dwg No. 1 Sheet No. A101
Interior Elevation	Sheet No. A101 1/4" Dwg No.
Room Tag	Room name 101
Wall Tag - See Wall Types on A2XX	11
Door Tag - See Door/Frame Schedule on A2XX	101
Window Tag - See Window Schedule on A2XX	A
Abbreviations:	
General Contractor	GC
Not in Contract	NIC
Verify in Field	VIF
Acoustical Ceiling Tile	ACT
Gypsum Wall Board	GW8

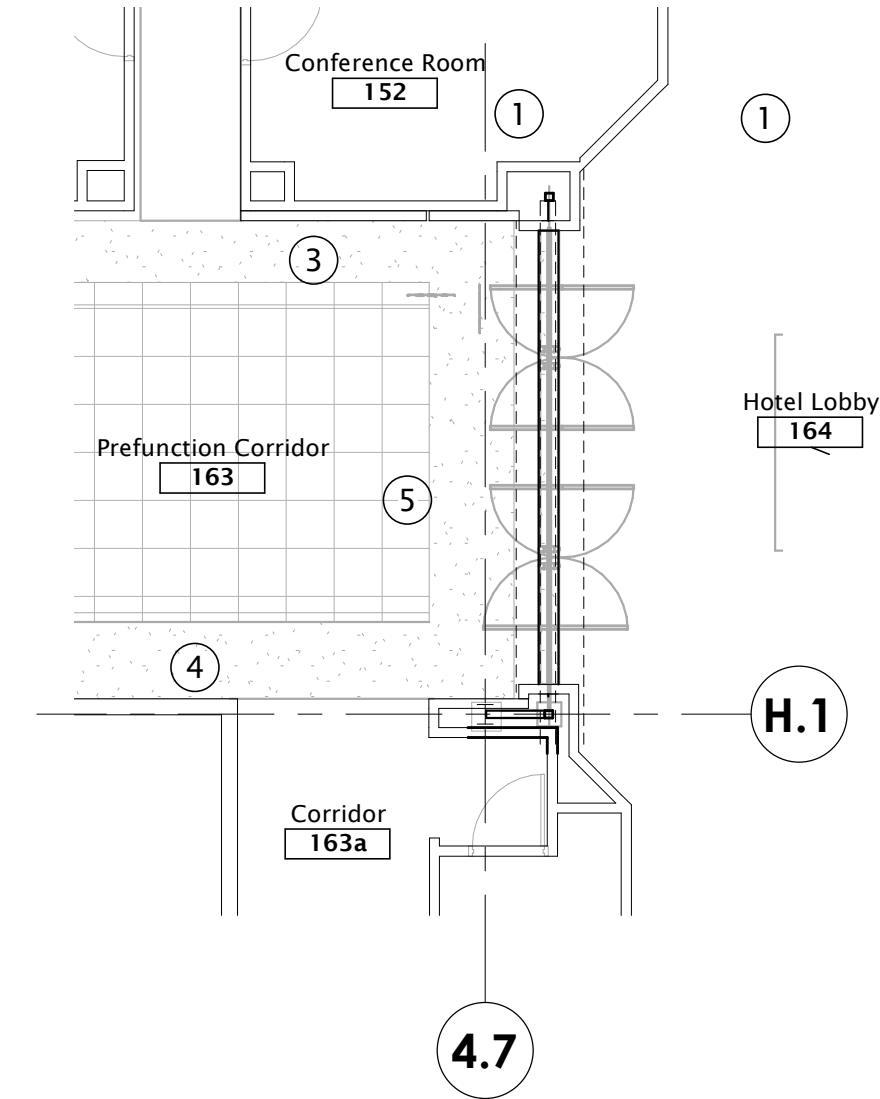
## GENERAL NOTES

- All work shall be completed in compliance with applicable codes and to the satisfaction of local building inspectors. The Contractor shall be responsible for filing and securing all necessary permits, approvals etc. for all trades.
- Dimensions at stud walls are to face of stud, unless noted otherwise.
- GC to field verify all dimensions. Notify Architect of any discrepancies between drawings and actual field dimensions.
- All fire rated walls and partitions shall be effectively and permanently identified with signs or stenciling. Such identification shall be above the ceiling and in concealed spaces. Suggested wording, "FIRE AND SMOKE BARRIER PROTECT ALL OPENINGS".



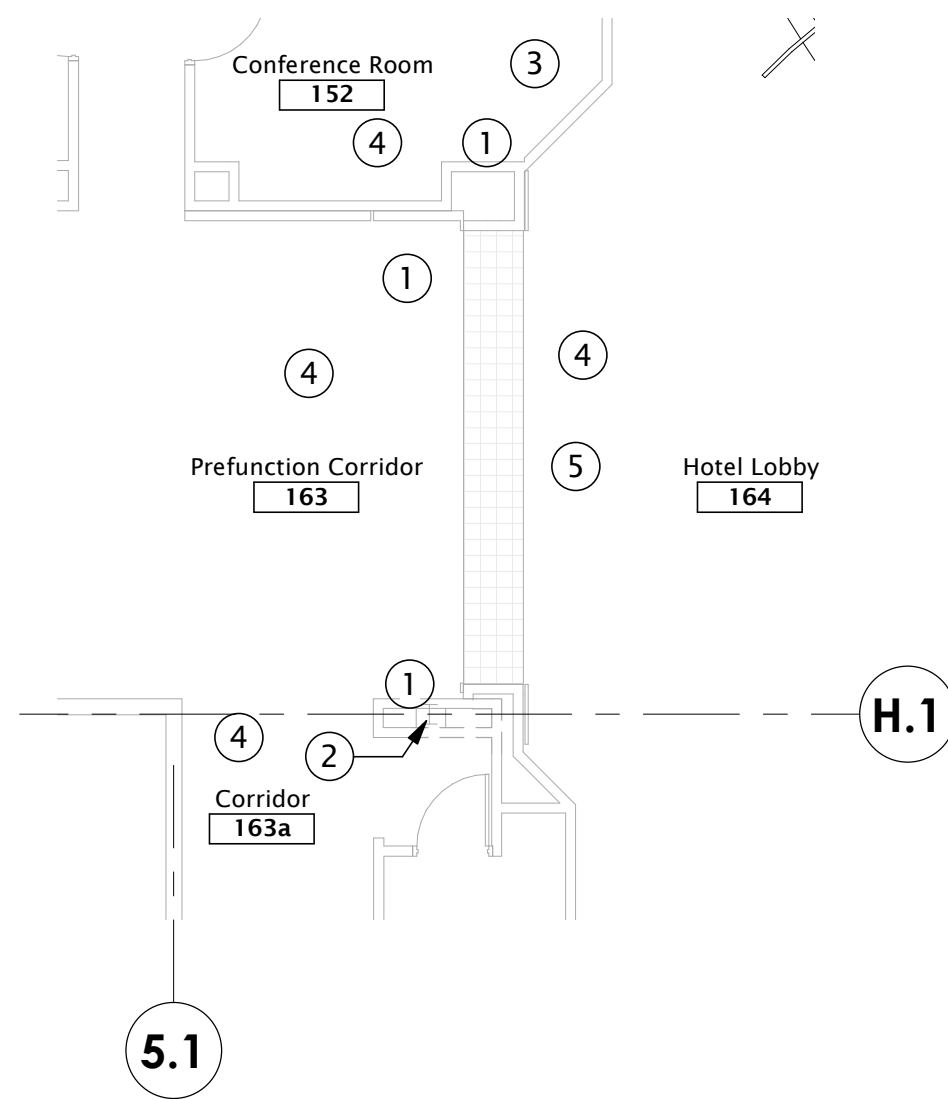
1 Renovation Plan - Interior Doors  
A 201 1/8" = 1'-0"

CEILING RENOVATION NOTES KEYED TO PLAN	
1	Remove portion of ACT to install structure; protect for re-installation
3	Re-install exit sign - see drawing E.1 on Sheet G103
4	Install exit sign - see drawing E.1 on Sheet G103
5	Repair finish on any damaged surface to match existing



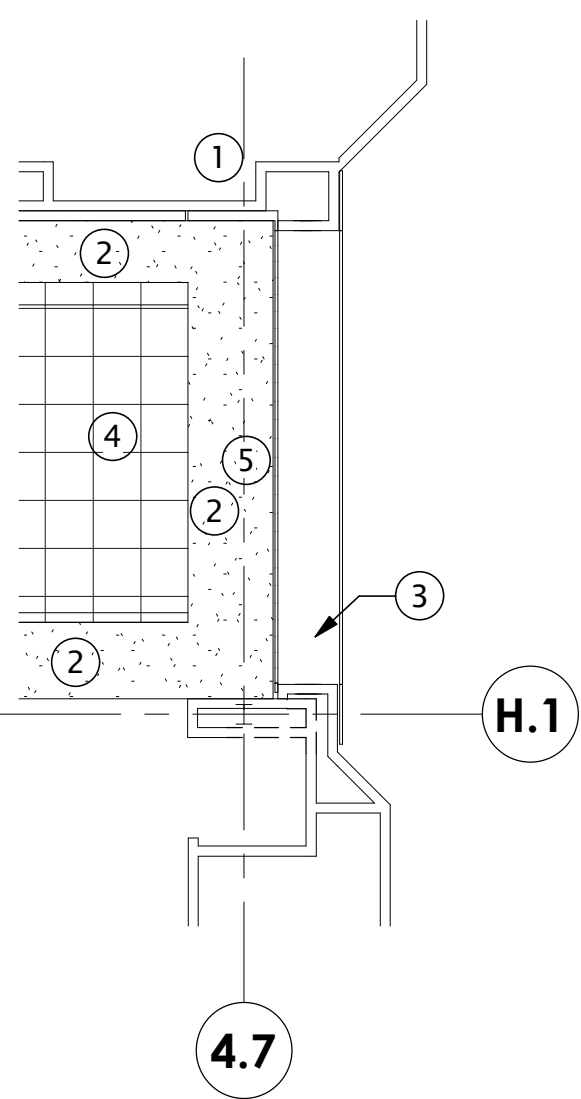
2 Renovation RCP at Interior Doors  
A 201 1/8" = 1'-0"

DEMOLITION NOTES KEYED TO PLAN	
To be removed but not limited to:	
1	Remove portion of dry wall to install structure
2	Existing structural column - Verify in Field
3	Protect existing; cover furniture or verify temporary location with owner
4	Protect existing finishes in the work area
5	Carefully remove metal letters, save for re-installation; see 3/A201

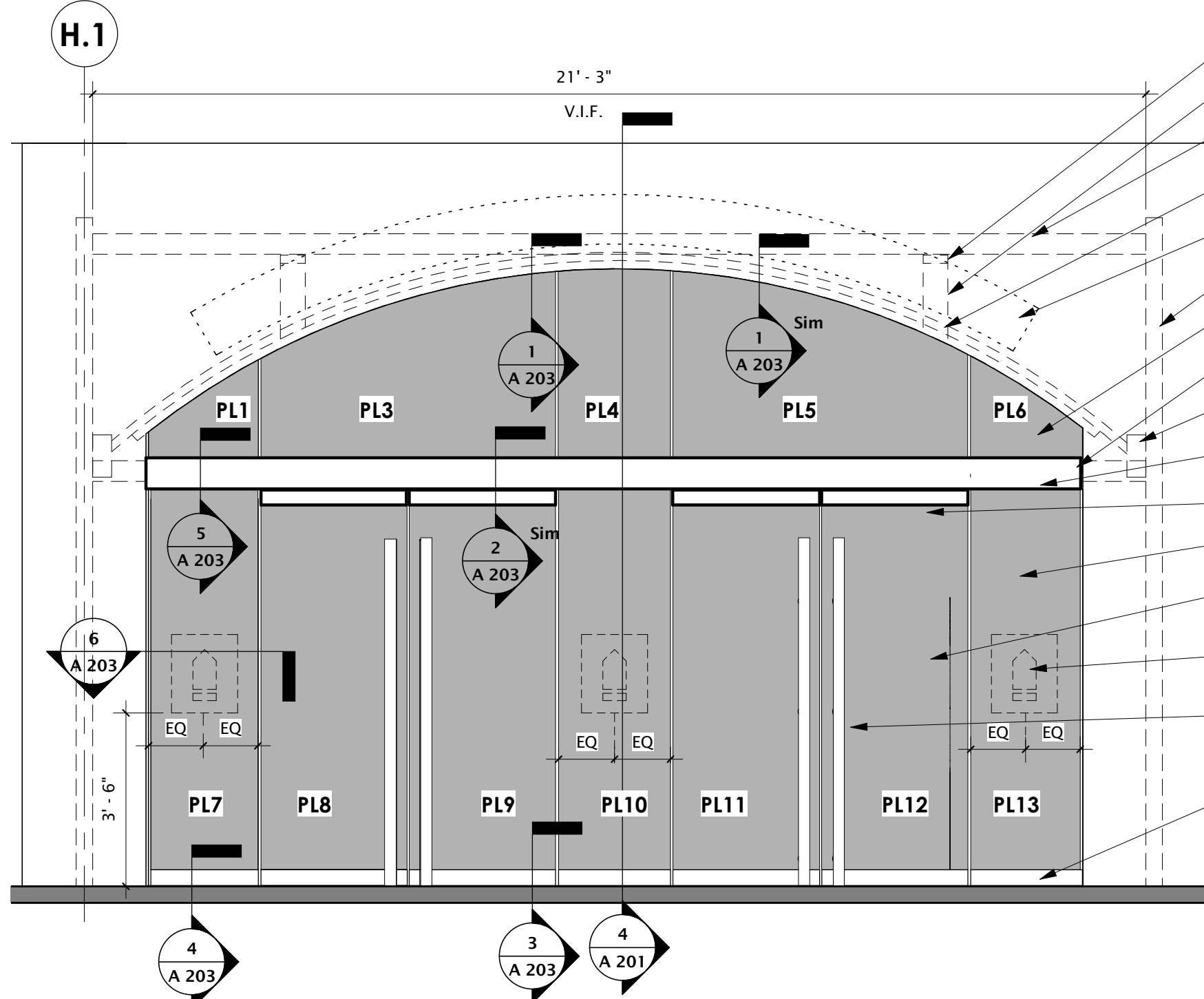


5 Demolition Floor Plan - Interior Doors  
A 201 1/8" = 1'-0"

CEILING DEMOLITION NOTES KEYED TO PLAN	
1	Remove portion of ACT to install structure; protect for re-installation
2	Existing drywall soffit
3	Remove portion of arched drywall soffit to install structure
4	Existing ACT and Grid
5	Existing exit sign; see electrical drawings for demolition item

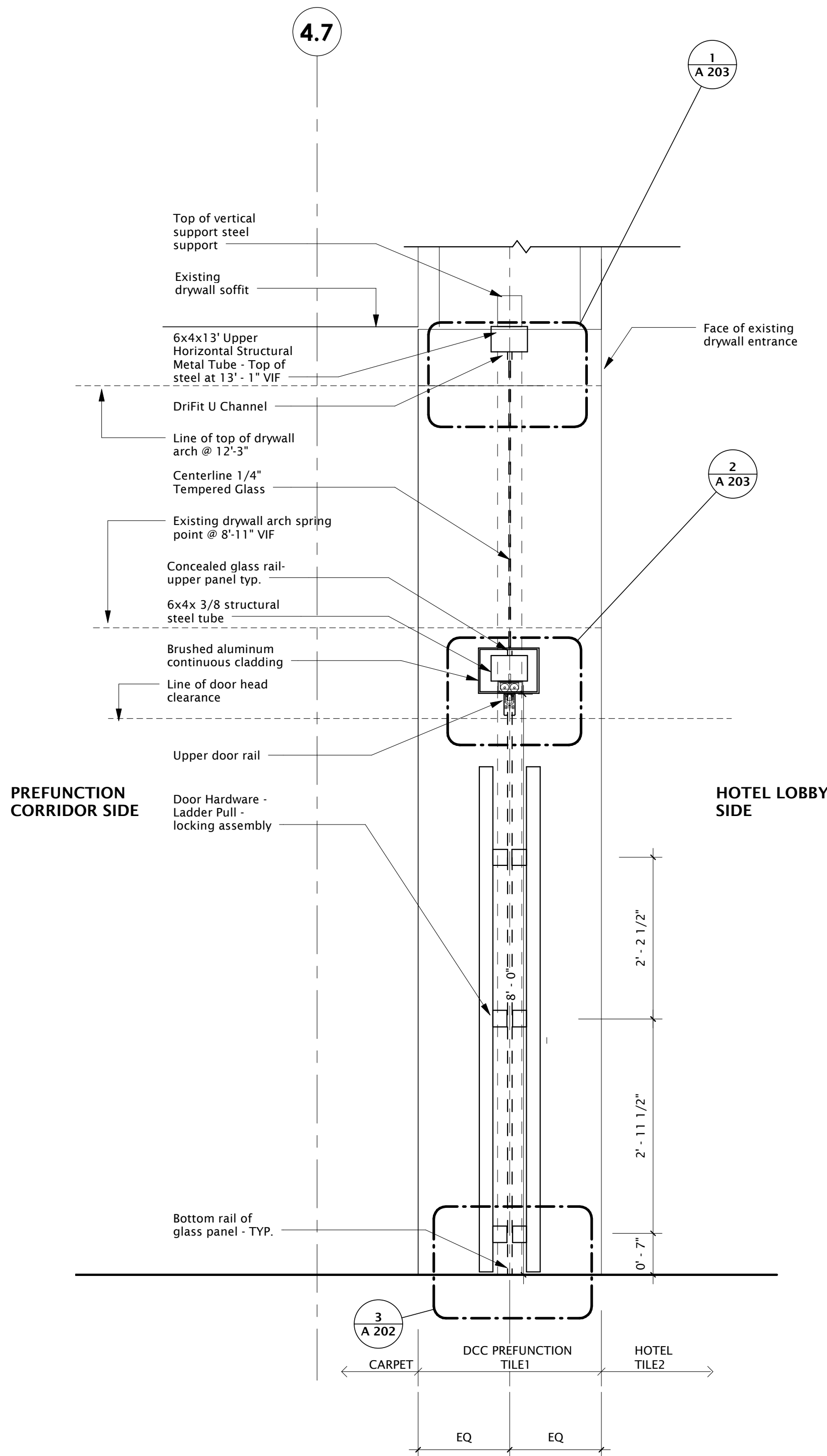


6 Demolition RCP at Interior Doors  
A 201 1/8" = 1'-0"



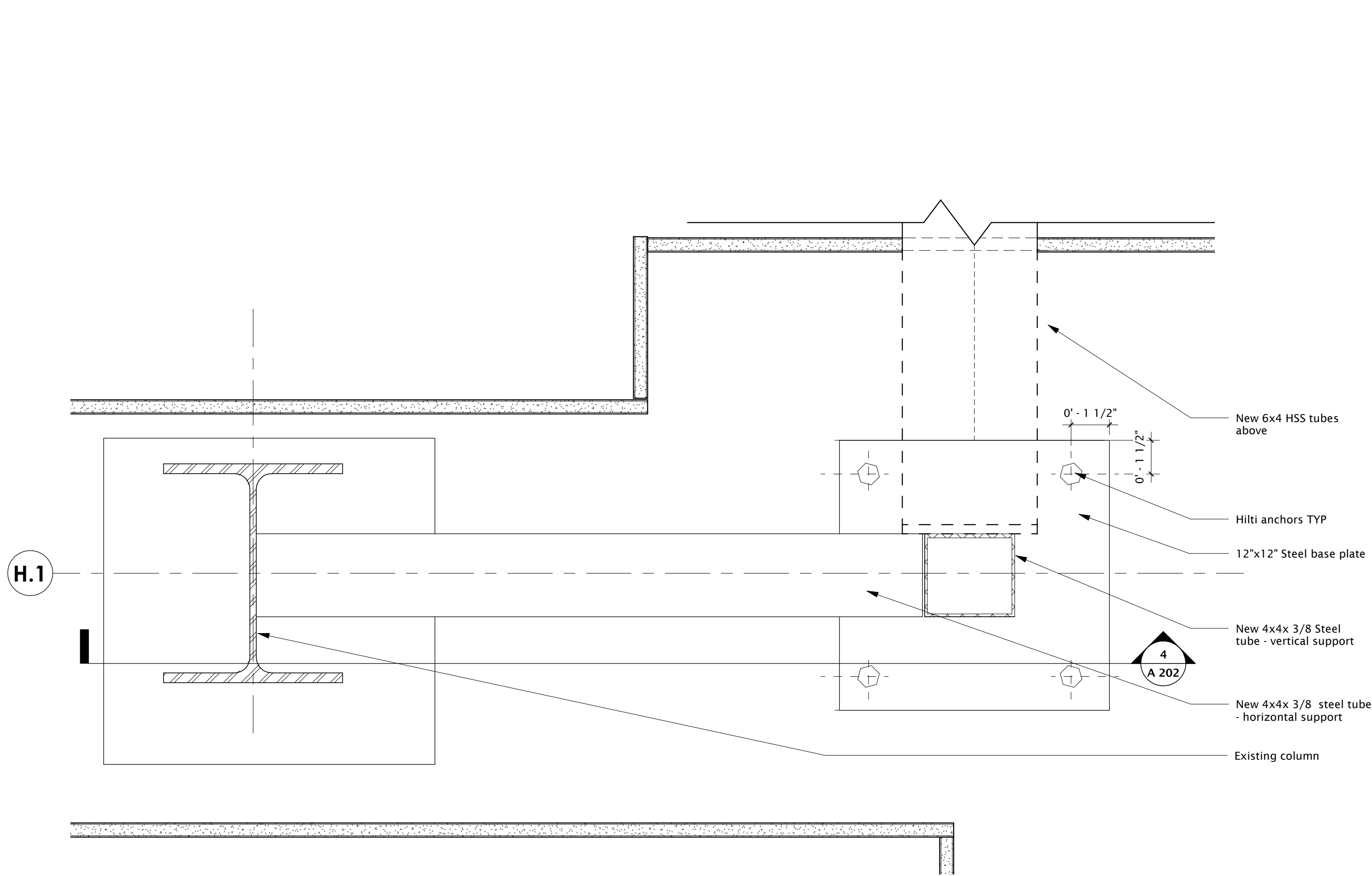
3 Elevation from Hotel Lobby  
A 201 3/8" = 1'-0"

RENOVATION NOTES KEYED TO PLAN	
1	Install vertical structural support
2	Paint wall SW "Crysanthemum" - verify color with owner/architect prior to painting
3	Paint all drywall of the archway to match existing unless otherwise noted
4	Paint all drywall damaged as part of construction to match existing
5	Existing carpet flooring - protect during alteration
6	Existing marble flooring - protect during alteration
7	Existing tile flooring - protect during alteration
8	Install vertical structural support and horizontal supports to existing column
9	Repair wall and finish to match existing

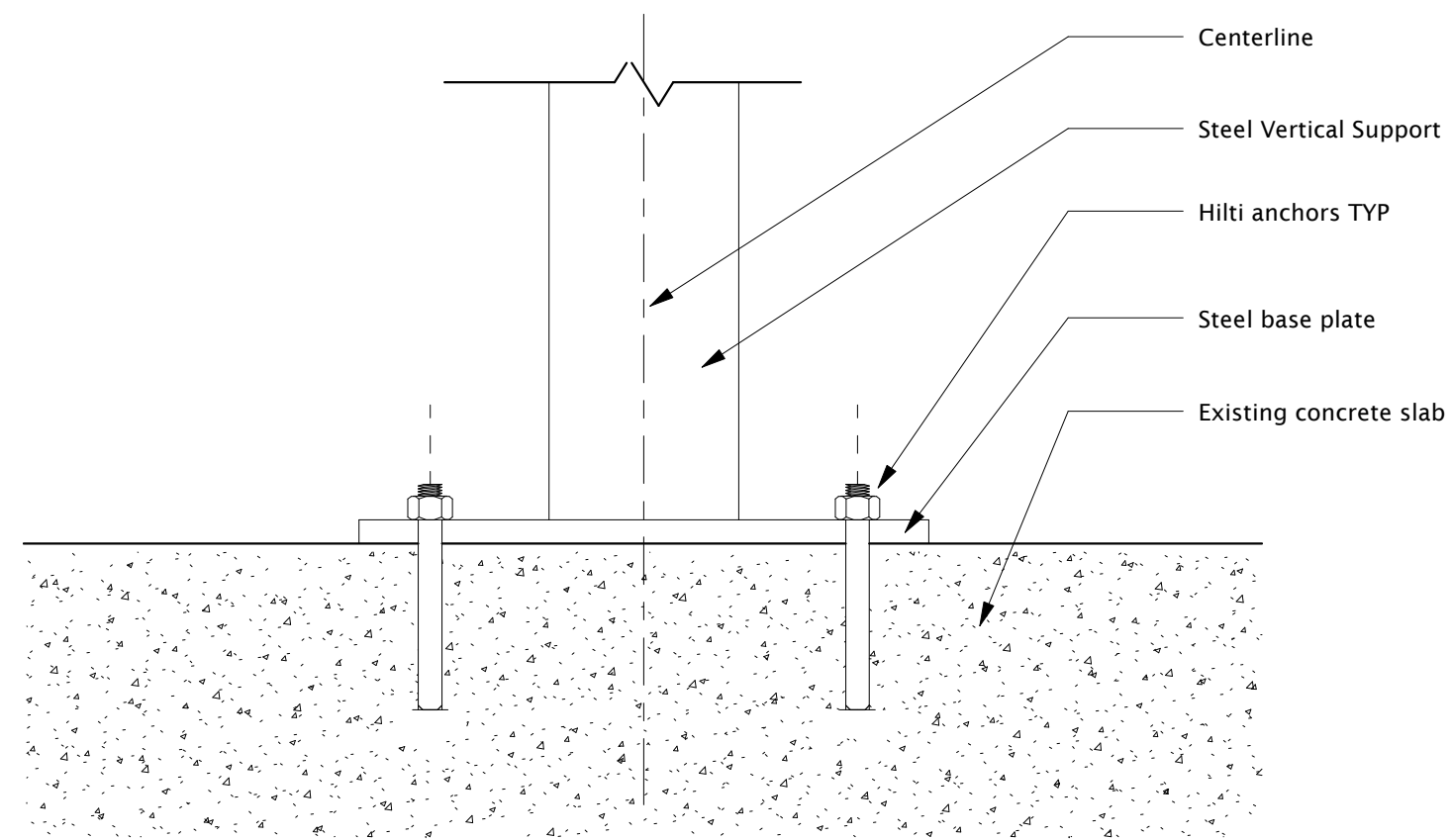


4 Section -Interior Doors  
A 201 3/4" = 1'-0"

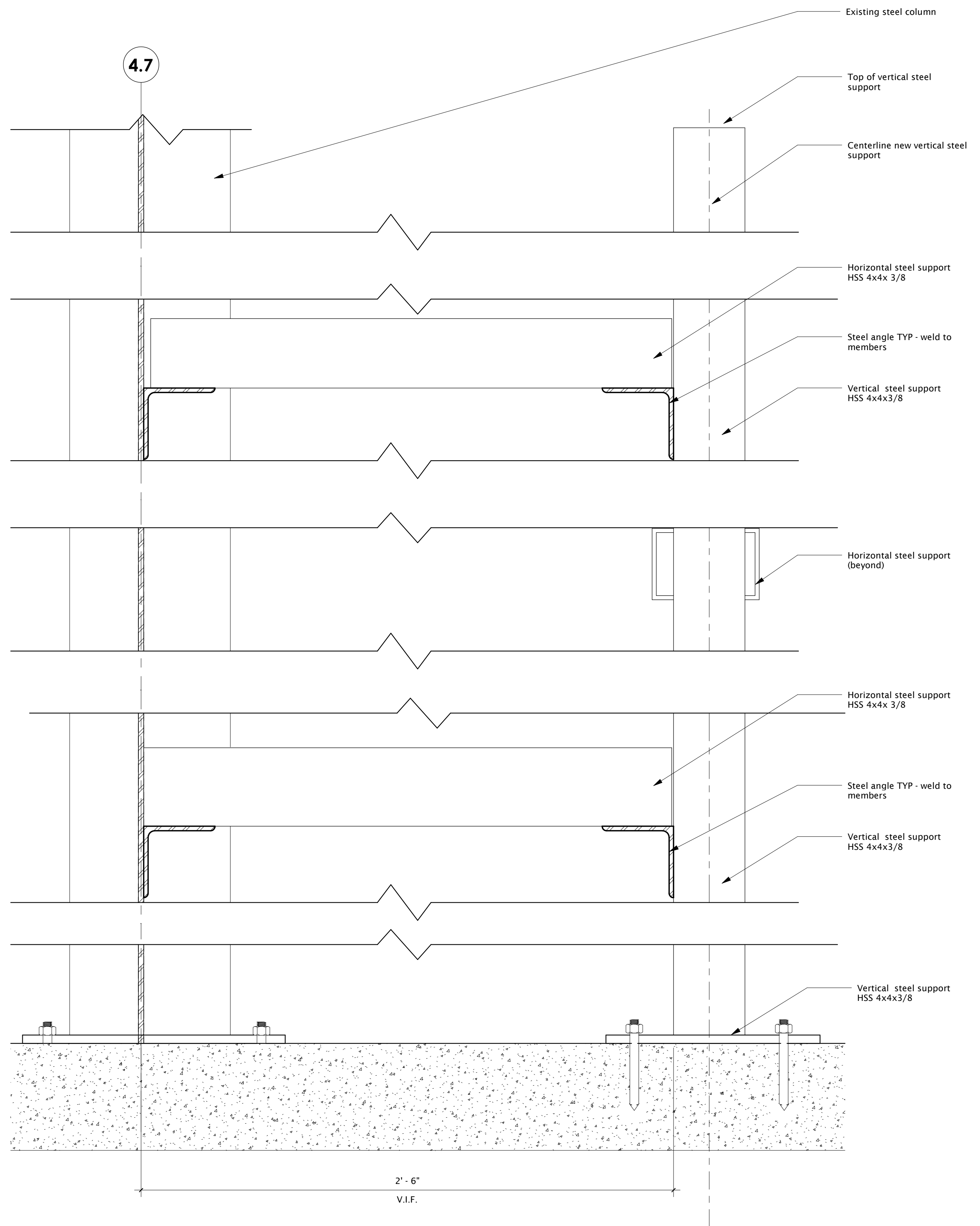
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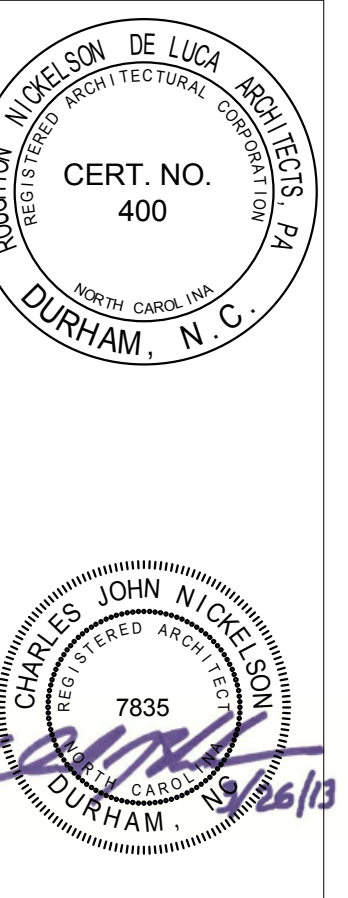
**2** Structural Plan Detail - Existing Column Tie-in  
A 202 3" = 1'-0"



**3** Structural Detail at Steel Column Base  
A 202 3" = 1'-0"



**4** Structural Section at Existing Column Tie-In  
A 202 3" = 1'-0"



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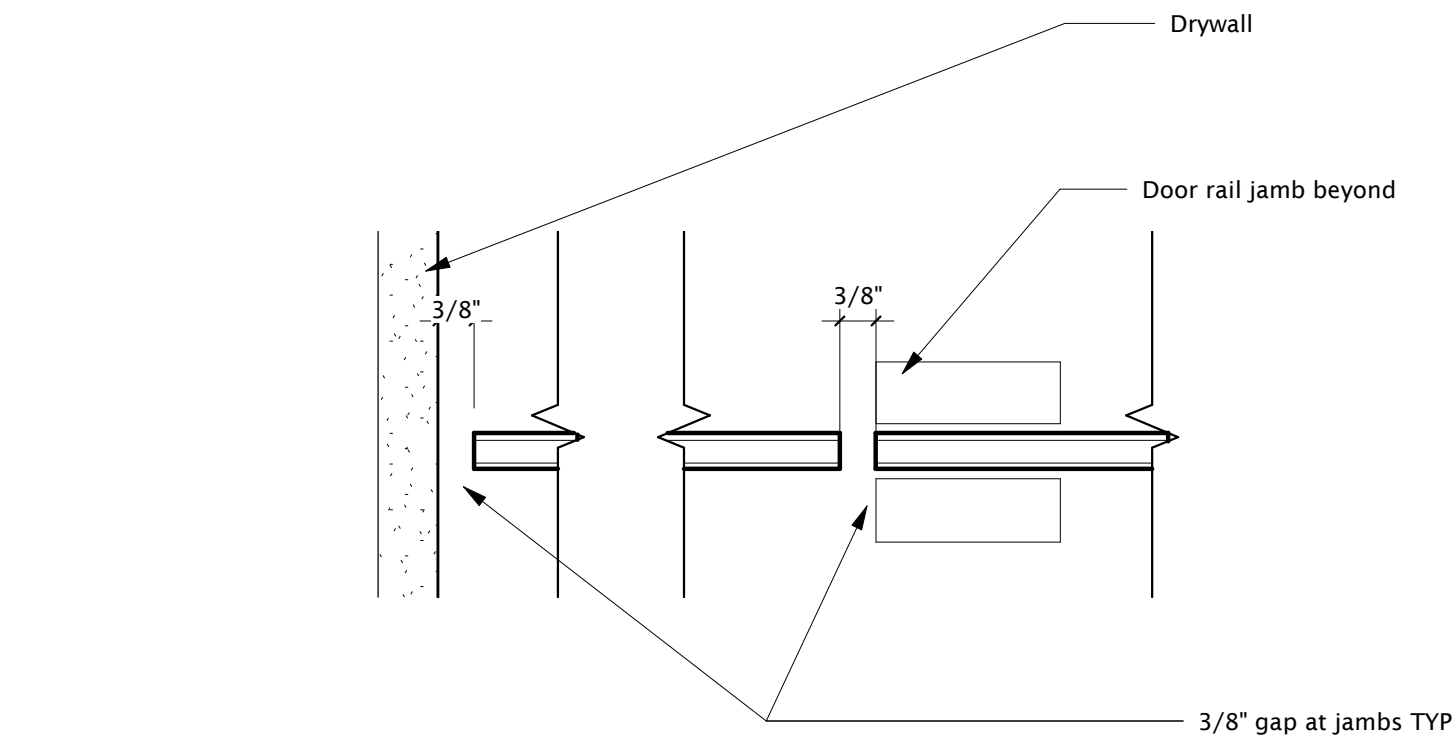
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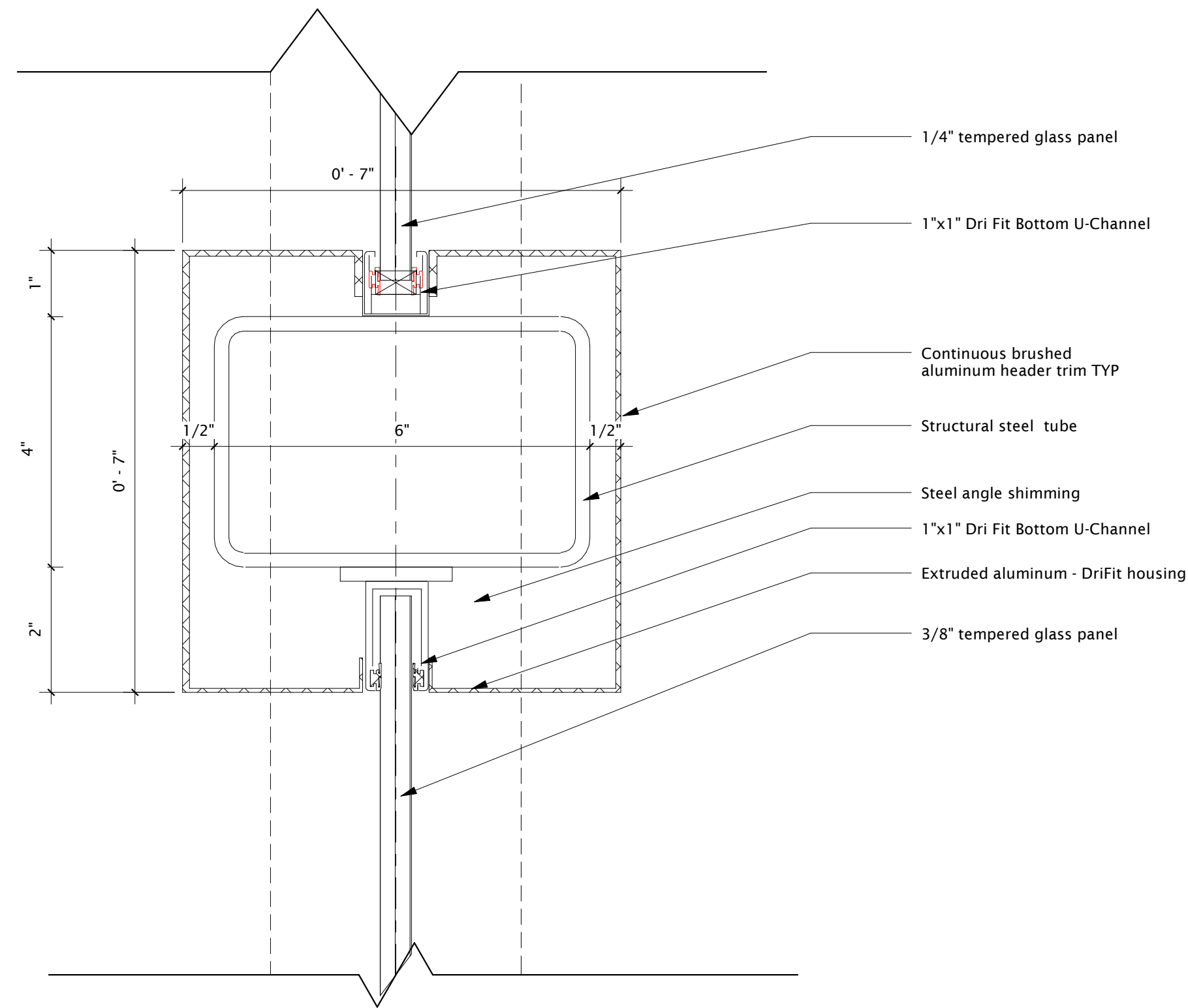
### Structural Details

**A 202**

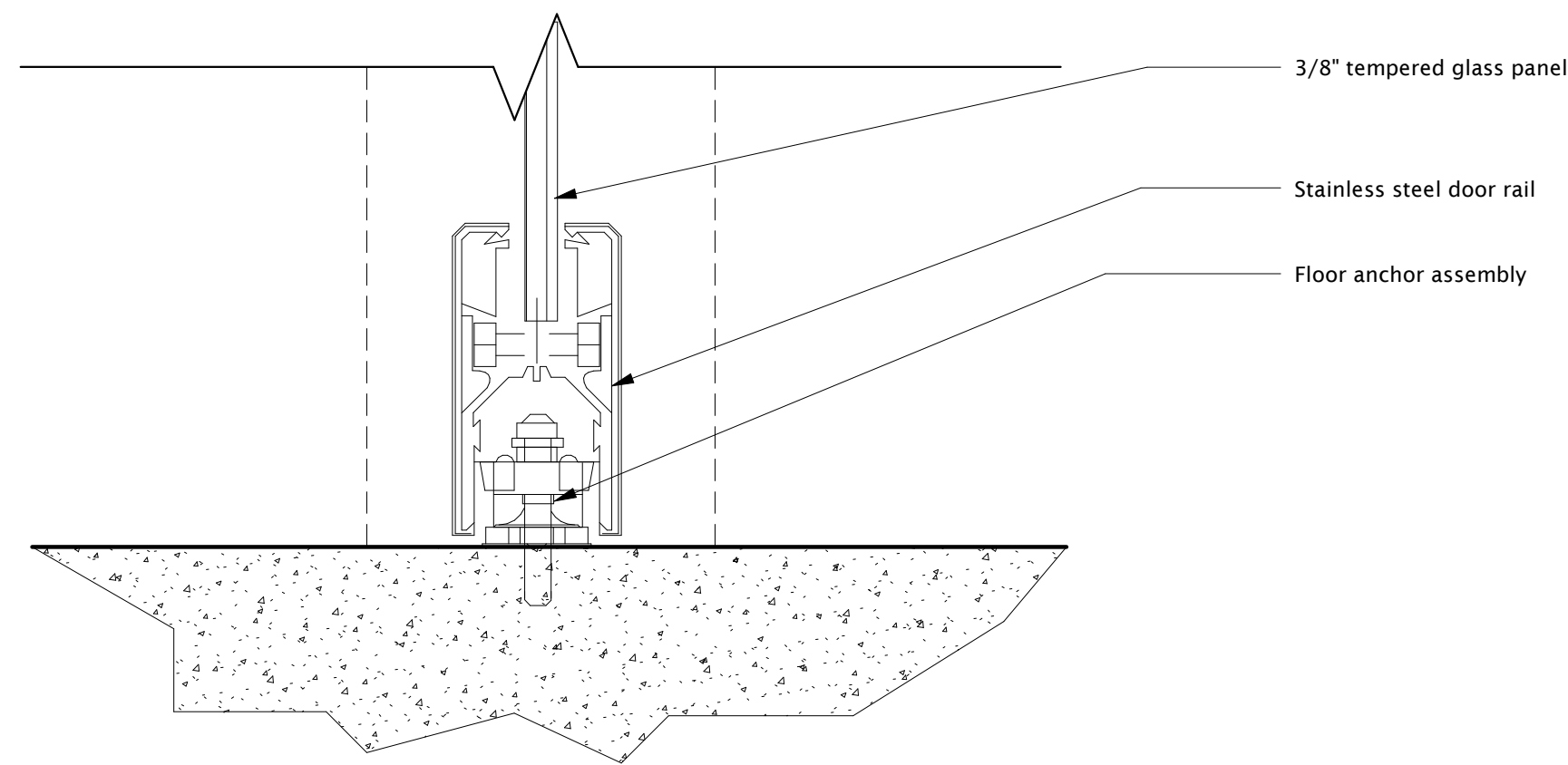




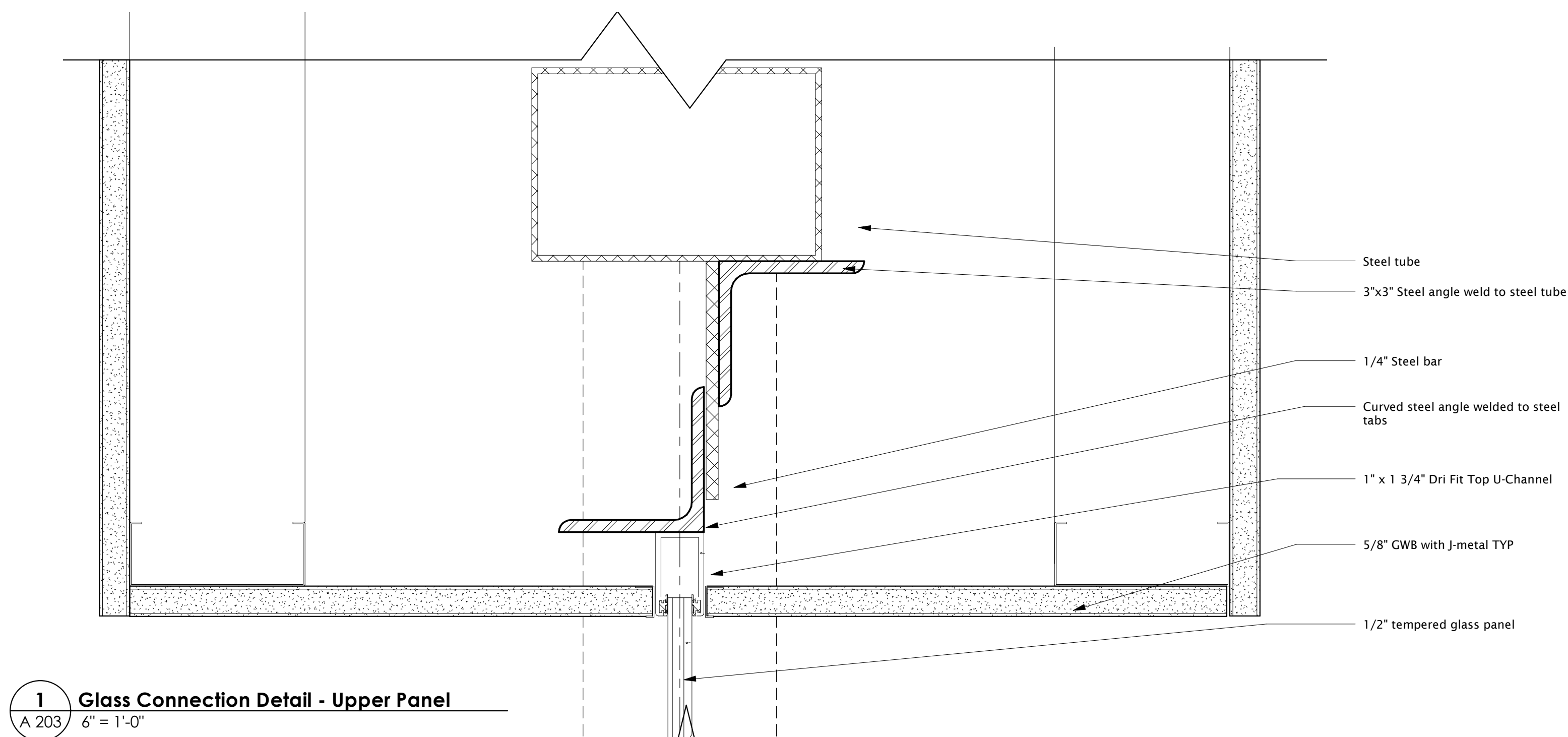
**6 Jamb Spacing Detail**  
A 203 6" = 1'-0"



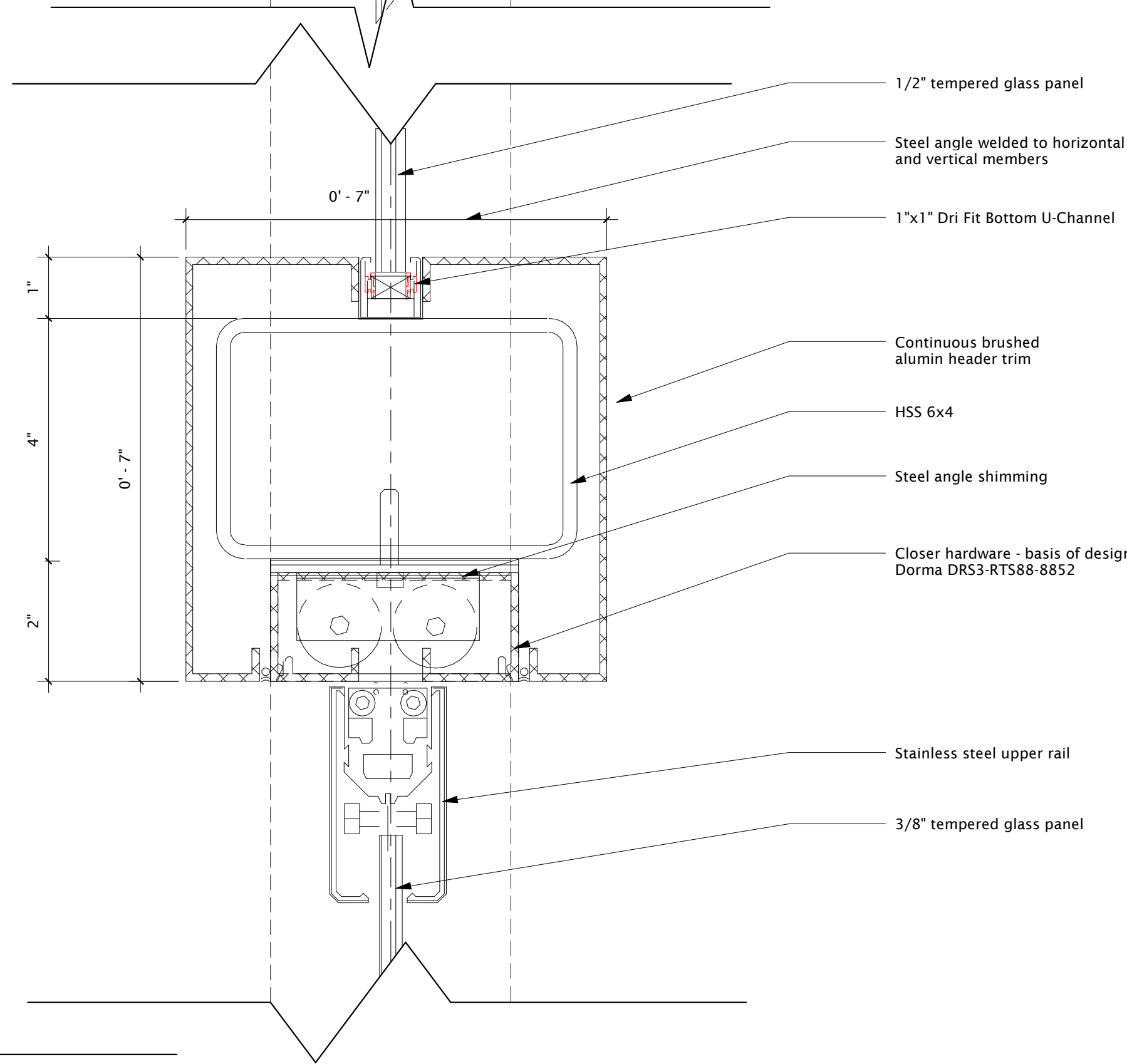
**5 Fixed glass connection detail**  
A 203 6" = 1'-0"



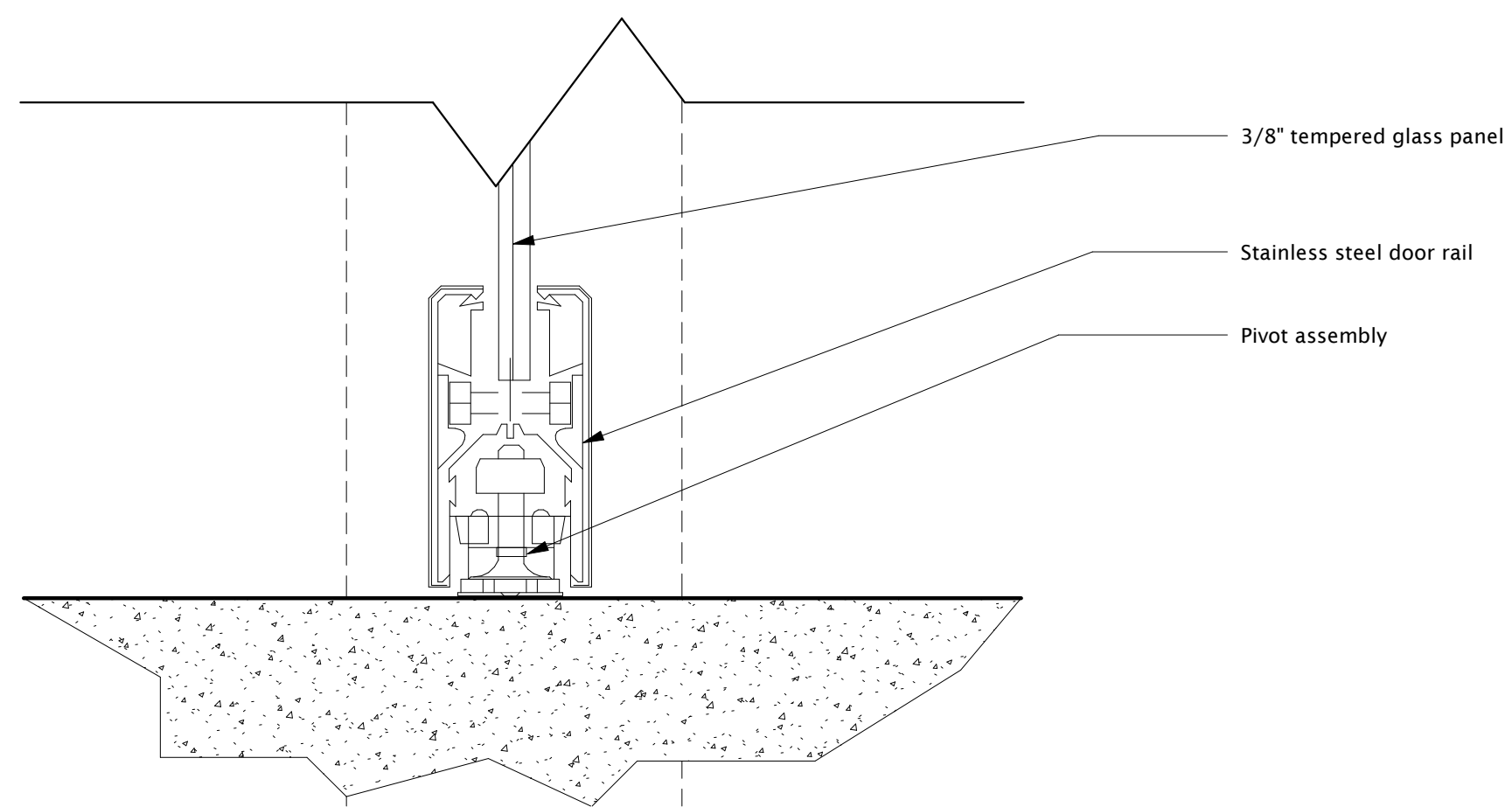
**4 Floor Detail at Fixed Panel**  
A 203 6" = 1'-0"



**1 Glass Connection Detail - Upper Panel**  
A 203 6" = 1'-0"



**2 Glass Detail at Header**  
A 203 6" = 1'-0"



**3 Detail at Bottom Rail**  
A 203 6" = 1'-0"

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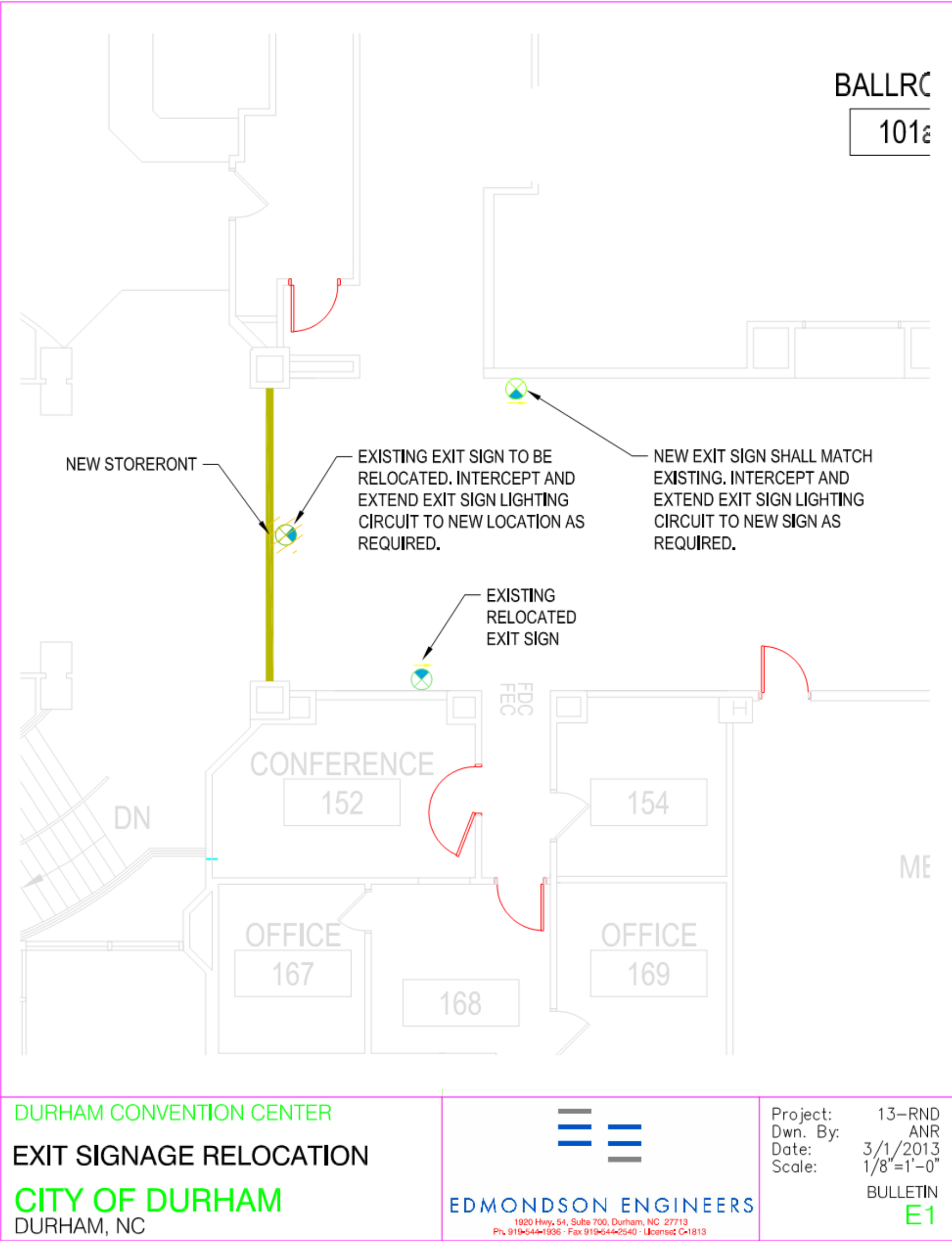
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### Glass Details

# A 203



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CERT. NO.  
400

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Electrical

E 204